

## CLAIMS

What is claimed is:

1. A method for scheduling communication comprising the steps of:  
sending a transfer command to a first component;  
transferring data from said first component to a second component;  
notifying a third component by said second component upon completion of said  
transferring data step;  
wherein said transfer command identifies said second and said third components.
2. The method of claim 1 wherein said transfer command is sent by a schedule processor.
3. The method of claim 2 wherein said schedule processor further comprises:  
a microprocessor executing program code.
4. A method of controlling system operation comprising the steps of:  
sending a first command to a first component;  
sending a second command to a second component;  
notifying said second component upon completion of said first command;  
initiating execution of said second command upon completion of said notifying step.
5. The method of claim 4 wherein said sending a first command and said sending a second command step can occur in any order.
6. The method of claim 5 wherein said sending a first command and said sending a second command are performed by a scheduler.

7. The method of claim 6 wherein said scheduler further comprises a microprocessor executing a program.
8. A method controlling system operation comprising the steps of:
  - receiving a first command by a first component;
  - receiving a second command by a second component;
  - performing said first command;
  - notifying said second component upon completion of said performing step; and
  - initiating said second command upon completion of said notifying step.
9. The method of claim 8 wherein said receiving a first command, said receiving a second command, and said performing steps can occur in any order.
10. The method of claim 9 further comprising the steps of:
  - sending said first command by a scheduler; and
  - sending said second command by said scheduler.
11. The method of claim 10 wherein said scheduler further comprises:
  - a microprocessor executing a program.
12. A method of controlling a system comprising the steps of:
  - constructing a transfer command by a scheduler;
  - sending said transfer command to a first component;
  - wherein said transfer command further comprises;
  - a destination address identifying a second component; and
  - a notification address identifying a third component.
13. The method of claim 12 where said scheduler further comprises a microprocessor executing program code.

14. A method of command forwarding comprising the steps of:
- receiving a first command by a first component;
  - determining said first command must be sent to a second component; and
  - forwarding said first command to said second component.
15. The method of claim 14 further comprising the step of:
- constructing said first command by a scheduler.
16. The method of claim 15 wherein said scheduler comprises a microprocessor
- executing a program.
17. A system for controlling communication comprising:
- a first component;
  - a second component;
  - a routing fabric providing communication between said first and second components;
  - a message sent by said first component to said second component through said routing fabric;
  - wherein said message further comprises:
    - a first routing fabric address.
18. The system of claim 17 wherein said message further comprises:
- an operation;
  - wherein said operation directs said second component to transfer data through said routing fabric using said first routing fabric address.
19. The system of claim 18 where said message further comprises:
- a second routing fabric address.

20. The system of claims 17, 18, or 19 wherein said first component further comprises a microprocessor executing program code.
21. Machine readable media comprising:
- program code to construct and send a message to a first component through a routing fabric;
- wherein said message further comprises:
- a first routing fabric address; and
- an operation directing said first component to transfer data through said routing fabric to said first routing fabric address.
22. The machine readable media of claim 21 wherein said message further comprises:
- a second routing fabric address.
23. A method of controlling a system comprising the steps of:
- receiving a transfer command by a first component;
- sending data from said first component to a first address of a second component;
- wherein said transfer command contains at least said first address.
24. The method of claim 23 wherein said transfer command further comprises a second address of a third component.
25. The method of claim 24 further including the step of:
- notifying said third component using said second address upon completion of said sending data step.